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March 28, 2018

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of February 2018.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rebecca Dulin", written in a cursive style.

Rebecca J. Dulin

Enclosure

cc: Service List

**Duke Energy Progress
Summary of Monthly Fuel Report**

Schedule 1

Line No.	Item	February 2018
1	Fuel and Fuel-related Costs excluding DERP incremental costs	\$ 115,565,946
	MWH sales:	
2	Total System Sales	5,618,868
3	Less intersystem sales	599,167
4	Total sales less intersystem sales	5,019,701
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.3022
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.5482
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	402,639
8	Oil	2,247
9	Natural Gas - Combustion Turbine	161,377
10	Natural Gas - Combined Cycle	1,698,325
11	Total Fossil	2,264,588
12	Nuclear	2,297,828
13	Hydro - Conventional	84,154
14	Solar Distributed Generation	14,538
15	Total MWH generation	4,661,108

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

**Duke Energy Progress
Details of Fuel and Fuel-Related Costs**

Description	February 2018
Fuel and Fuel-Related Costs:	
Steam Generation - Account 501	
0501110 coal consumed - steam	\$ 13,060,703
0501310 fuel oil consumed - steam	230,796
Total Steam Generation - Account 501	13,291,499
Nuclear Generation - Account 518	
0518100 burnup of owned fuel	15,781,298
Other Generation - Account 547	
0547000 natural gas consumed - Combustion Turbine	6,874,165
0547000 natural gas capacity - Combustion Turbine	1,253,041
0547000 natural gas consumed - Combined Cycle	47,347,181
0547000 natural gas capacity - Combined Cycle	10,323,483
0547200 fuel oil consumed	327,276
Total Other Generation - Account 547	66,125,146
Purchased Power and Net Interchange - Account 555	
Fuel and fuel-related component of purchased power	29,697,118
Fuel and fuel-related component of DERP purchases	16,520
PURPA purchased power capacity	4,995,847
DERP purchased power capacity	4,566
Total Purchased Power and Net Interchange - Account 555	34,714,051
Less fuel and fuel-related costs recovered through intersystem sales - Account 447	15,029,856
Total Costs Included in Base Fuel Component	\$ 114,882,138
Environmental Costs	
0509030, 0509212, 0557451 emission allowance expense	\$ 3,104
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense	785,235
Emission Allowance Gains	(69,800)
Less reagents expense recovered through intersystem sales - Account 447	4,230
Less emissions expense recovered through intersystem sales - Account 447	30,501
Total Costs Included in Environmental Component	683,808
Fuel and Fuel-related Costs excluding DERP incremental costs	\$ 115,565,946
DERP Incremental Costs	145,146
Total Fuel and Fuel-related Costs	\$ 115,711,092

Notes: Detail amounts may not add to totals shown due to rounding.

**DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA**

FEBRUARY 2018

**Schedule 3, Purchases
Page 1 of 2**

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	\$	\$	mWh	Fuel \$	Non-fuel \$
Virginia Electric and Power Company - Emergency	\$ 176,572	-	-	\$ 107,709	\$ 68,863
Broad River Energy, LLC.	3,660,966	\$ 2,344,809	18,054	1,316,157	-
City of Fayetteville	1,093,421	1,071,450	70	21,971	-
Haywood EMC	29,050	29,050	-	-	-
NCEMC	4,261,064	3,284,610	17,494	976,454	-
PJM Interconnection, LLC.	(332,007)	-	164	(332,007)	-
Southern Company Services	4,166,600	1,317,267	96,175	2,849,333	-
DE Carolinas - Native Load Transfer	425,605	-	38,073	422,139	3,466
DE Carolinas - Native Load Transfer Benefit	37,532	-	-	37,532	-
Energy Imbalance	152,600	-	2,009	133,724	18,876
Generation Imbalance	2,566	-	83	1,566	1,000
	\$ 13,673,969	\$ 8,047,186	172,122	\$ 5,534,578	\$ 92,205
Act 236 PURPA Purchases					
Renewable Energy	\$ 19,508,330	-	286,866	\$ 19,405,933	\$ 102,397
DERP Qualifying Facilities	21,085	-	429	21,085	-
Other Qualifying Facilities	9,774,438	-	161,834	9,752,455	21,983
	\$ 29,303,853	\$ -	449,129	\$ 29,179,473	\$ 124,380
Total Purchased Power	\$ 42,977,822	\$ 8,047,186	621,251	\$ 34,714,051	\$ 216,585

NOTE: Detail amounts may not add to totals shown due to rounding.

**DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA**

FEBRUARY 2018

**Schedule 3, Sales
Page 2 of 2**

	Total	Capacity	Non-capacity		
Sales	\$	\$	mWh	Fuel \$	Non-fuel \$
Market Based:					
NCEMC Purchase Power Agreement	\$ 834,405	\$ 652,500	5,831	\$ 190,100	\$ (8,195)
PJM Interconnection, LLC.	67,117	-	1,408	48,261	18,856
Other:					
DE Carolinas - Native Load Transfer Benefit	1,199,783	-	-	1,199,783	-
DE Carolinas - Native Load Transfer	14,310,640	-	591,921	13,626,443	684,197
Generation Imbalance	(920)	-	7	-	(920)
Total Intersystem Sales	\$ 16,411,025	\$ 652,500	599,167	\$ 15,064,587	\$ 693,938

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
February 2018

Schedule 4
Page 1 of 3

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,019,700,923
2	DERP Net Metered kWh generation	Input					733,769
3	Adjusted System kWh sales	L1 + L2					5,020,434,692
4	Actual S.C. Retail kWh sales	Input	205,274,470	24,711,597	309,848,294	6,687,917	546,522,278
5	DERP Net Metered kWh generation	Input	234,956	9,394	489,419		733,769
6	Adjusted S.C. Retail kWh sales	L4 + L5	205,509,426	24,720,991	310,337,713	6,687,917	547,256,047
7	Actual S.C. Demand units (kw)	L32 / 31b *100			689,543		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					\$98,288,679
9	Eliminate avoided fuel benefit of S.C. net metering	Input					\$23,500
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					\$98,312,179
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.958
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	\$4,024,369	\$484,096	\$6,077,158	\$130,965	\$10,716,588
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	(\$13,892)	(\$1,283)	(\$8,325)	\$0	(\$23,500)
14	S.C. Retail portion of incurred system expense	L12 + L13	\$4,010,477	\$482,813	\$6,068,833	\$130,965	\$10,693,088
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.211	2.210	2.210	2.210	2.210
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	\$4,538,959	\$546,126	\$6,847,647	\$147,803	\$12,080,535
17	DERP NEM incentive - fuel component	Input	(\$3,876)	(\$358)	(\$2,322)	\$0	(\$6,556)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	\$4,535,083	\$545,768	\$6,845,325	\$147,803	\$12,073,979
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	(\$524,606)	(\$62,955)	(\$776,492)	(\$16,838)	(\$1,380,891)
20a	Adjustment - Economic Purchases		\$17	\$2	\$25	\$1	\$45
20b	Adjustment - Net Metering	Input	(\$42,090)	(\$4,898)	\$49,334	\$52	\$2,398
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	(\$566,679)	(\$67,851)	(\$727,133)	(\$16,785)	(\$1,378,448)
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.520	0.399			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			93		
23	Incurred S.C. base fuel - capacity expense	Input	\$1,066,603	\$98,532	\$639,190		\$1,804,325
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.472	0.371			
24b	Billed base fuel - capacity rate (¢/kW)	Input			96		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	\$968,121	\$91,680	\$ 660,879	\$0	\$1,720,680
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	\$98,482	\$6,852	(21,689.00)	\$0	\$83,645
27	Adjustment	Input	\$0	\$0	\$0	\$0	\$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	\$98,482	\$6,852	(\$21,689)	\$0	\$83,645
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.021	0.016			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			4		
30	Incurred S.C. environmental expense	Input	\$44,010	\$4,066	\$26,374		\$74,450
31a	Billed environmental rates by class (¢/kWh)	Input	0.035	0.024			
31b	Billed environmental rate (¢/kW)	Input			7		
32	Billed S.C. environmental revenue	L31a * L4 /100	\$71,335	\$5,931	\$ 48,268		\$125,534
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	(\$27,325)	(\$1,865)	(\$21,894)	\$0	(\$51,084)
34	Adjustment	Input					\$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	(\$27,325)	(\$1,865)	(\$21,894)	\$0	(\$51,084)
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.001	0.001			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.118		
37	Incurred S.C. DERP avoided cost expense	Input	\$1,357	\$125	\$813		\$2,295
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.000	0.000			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	\$0	\$0	\$0		\$0
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	\$1,357	\$125	\$813	\$0	\$2,295
41	Adjustment	Input	\$0	\$0	\$0	\$0	\$0
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	\$1,357	\$125	\$813	\$0	\$2,295
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	(\$494,165)	(\$62,739)	(\$769,903)	(\$16,785)	(\$1,343,592)

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
February 2018

Schedule 4
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Year 2017-2018

Cumulative (over) / under recovery - **BASE FUEL NON-CAPACITY**

	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
_/2 Balance ending February 2017	\$6,872,181					
March 2017 - actual	9,008,686	\$763,399	\$98,306	\$1,239,859	\$34,941	\$2,136,505
April 2017 - actual	10,494,432	426,888	62,439	973,844	22,575	1,485,746
May 2017 - actual	9,808,868	(173,333)	(27,502)	(475,412)	(9,317)	(685,564)
June 2017 - actual	11,236,626	488,131	74,799	844,641	20,187	1,427,758
July 2017 - actual	11,772,725	172,369	25,506	332,436	5,788	536,099
August 2017 - actual	11,986,788	72,808	10,890	127,812	2,553	214,063
September 2017 - actual	10,024,599	(684,686)	(110,532)	(1,141,999)	(24,972)	(1,962,189)
October 2017 - actual	8,131,446	(500,633)	(83,695)	(1,284,814)	(24,011)	(1,893,153)
November 2017 - actual	7,039,997	(314,738)	(48,923)	(712,179)	(15,609)	(1,091,449)
December 2017 - actual	8,306,588	504,163	63,542	680,112	18,774	1,266,591
January 2018 - actual	24,772,759	6,725,553	734,009	8,849,645	156,964	16,466,171
_/3 February 2018 - actual	23,394,311	(566,679)	(67,851)	(727,133)	(16,785)	(1,378,448)
_/4 March 2018 - forecast	22,789,715	(226,932)	(25,207)	(344,250)	(8,207)	(604,596)
_/4 April 2018 - forecast	22,246,159	(174,787)	(24,640)	(336,156)	(7,973)	(543,556)
_/4 May 2018 - forecast	21,747,172	(141,821)	(23,929)	(325,520)	(7,717)	(498,987)
_/4 June 2018 - forecast	\$21,436,297	(\$97,775)	(\$14,271)	(\$194,243)	(\$4,586)	(\$310,875)

Year 2017-2018

Cumulative (over) / under recovery - **BASE FUEL CAPACITY**

	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
_/2 Balance ending February 2017	\$893,261					
March 2017 - actual	806,670	(\$56,692)	(\$2,999)	(\$26,900)	\$0	(\$86,591)
April 2017 - actual	855,256	34,522	2,742	11,322	0	48,586
May 2017 - actual	863,837	16,521	(860)	(7,080)	0	8,581
June 2017 - actual	1,093,070	111,106	8,714	109,413	0	229,233
July 2017 - actual	1,329,570	92,732	(6,332)	150,100	0	236,500
August 2017 - actual	1,544,702	102,543	(7,486)	120,075	0	215,132
September 2017 - actual	1,721,380	110,370	(11,647)	77,955	0	176,678
October 2017 - actual	2,170,530	335,395	12,870	100,885	0	449,150
November 2017 - actual	2,359,492	190,857	5,518	(7,413)	0	188,962
December 2017 - actual	2,239,809	(97,259)	(8,258)	(14,166)	0	(119,683)
January 2018 - actual	1,538,422	(501,047)	(37,389)	(162,951)	0	(701,387)
February 2018 - actual	1,622,067	98,482	6,852	(21,689)	0	83,645
_/4 March 2018 - forecast	1,576,899	(19,865)	10,374	(35,677)	0	(45,168)
_/4 April 2018 - forecast	1,815,875	222,846	11,083	5,047	0	238,976
_/4 May 2018 - forecast	2,230,777	320,553	10,919	83,430	0	414,902
_/4 June 2018 - forecast	\$2,242,811	\$105,818	\$2,471	(\$96,255)	\$0	\$12,034

Year 2017-2018

Cumulative (over) / under recovery - **ENVIRONMENTAL**

	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
_/2 Balance ending February 2017	(\$618,034)					
March 2017 - actual	(633,513)	(\$13,791)	(\$1,056)	(\$632)	\$0	(\$15,479)
April 2017 - actual	(682,896)	(27,527)	(3,223)	(18,633)	0	(49,383)
May 2017 - actual	(718,603)	(19,646)	(2,877)	(13,184)	0	(35,707)
June 2017 - actual	(729,460)	(12,726)	(2,238)	4,107	0	(10,857)
July 2017 - actual	(639,166)	45,068	4,415	40,811	0	90,294
August 2017 - actual	(570,303)	35,153	3,230	30,480	0	68,863
September 2017 - actual	(606,640)	(19,149)	(2,616)	(14,572)	0	(36,337)
October 2017 - actual	(634,976)	(8,894)	(1,628)	(17,814)	0	(28,336)
November 2017 - actual	(675,922)	(15,979)	(1,925)	(23,042)	0	(40,946)
December 2017 - actual	(653,319)	8,725	1,739	12,139	0	22,603
January 2018 - actual	(565,420)	44,655	5,840	37,404	0	87,899
February 2018 - actual	(616,504)	(27,325)	(1,865)	(21,894)	0	(51,084)
_/4 March 2018 - forecast	(613,332)	1,308	1,797	67	0	3,172
_/4 April 2018 - forecast	(631,526)	(3,490)	(410)	(14,294)	0	(18,194)
_/4 May 2018 - forecast	(637,616)	3,267	(450)	(8,907)	0	(6,090)
_/4 June 2018 - forecast	(\$583,808)	\$35,374	\$3,799	\$14,635	\$0	\$53,808

Cumulative (over) / under recovery - **DERP AVOIDED COSTS**

	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
_/2 Balance ending February 2017	\$0					
March 2017 - actual	0	\$0	\$0	\$0	\$0	\$0
April 2017 - actual	0	0	0	0	0	0
May 2017 - actual	0	0	0	0	0	0
June 2017 - actual	252	135	14	103	0	252
July 2017 - actual	252	0	0	0	0	0
August 2017 - actual	252	0	0	0	0	0
September 2017 - actual	252	0	0	0	0	0
October 2017 - actual	252	0	0	0	0	0
November 2017 - actual	252	0	0	0	0	0
December 2017 - actual	252	0	0	0	0	0
January 2018 - actual	418	99	9	58	0	166
February 2018 - actual	2,713	1,357	125	813	0	2,295
_/4 March 2018 - forecast	8,766	3,244	327	2,482	0	6,053
_/4 April 2018 - forecast	15,117	3,404	343	2,604	0	6,351
_/4 May 2018 - forecast	21,273	3,299	333	2,524	0	6,156
_/4 June 2018 - forecast	\$27,080	\$3,112	\$314	\$2,381	\$0	\$5,807

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
February 2018

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	\$85,801	\$34,050	\$25,295	\$145,146
45	Billed S.C. DERP incremental rates by account (\$/account)	Input	1.00	2.88	99.56	
46	Billed S.C. DERP incremental revenue	Input	\$137,401	\$92,351	\$26,125	\$255,877
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	(\$51,600)	(\$58,301)	(\$830)	(\$110,731)
48	Adjustment - Net Metering	Input	\$39,196	\$19,809	\$13,671	\$72,676
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	(\$12,404)	(\$38,492)	\$12,841	(\$38,055)

Year 2017-2018		
Cumulative (over) / under recovery	Cumulative	Total
_/2 Balance ending February 2017	\$391,293	
March 2017 - actual	371,761	(\$19,532)
April 2017 - actual	379,969	8,208
May 2017 - actual	399,488	19,519
June 2017 - actual	460,764	61,276
July 2017 - actual	325,094	(135,670)
August 2017 - actual	196,111	(128,983)
September 2017 - actual	99,713	(96,398)
October 2017 - actual	(44,209)	(143,922)
November 2017 - actual	(183,930)	(139,721)
December 2017 - actual	(291,982)	(108,052)
January 2018 - actual	(413,689)	(121,707)
_/3 February 2018 - actual	(451,744)	(38,055)
_/4 March 2018 - forecast	(522,867)	(71,123)
_/4 April 2018 - forecast	(586,434)	(63,567)
_/4 May 2018 - forecast	(643,456)	(57,022)
_/4 June 2018 - forecast	(\$694,062)	(\$50,606)

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.

Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.246 and RECD 5% discount.

_/2 February 2017 ending balance reflects total adjustments of \$(129,849) pursuant to the docket no. 2017-1-E directive.

_/3 Includes prior period adjustments.

_/4 Forecast amounts based on low end of range of expected fuel rates.

Duke Energy Progress
Fuel and Fuel Related Cost Report
February 2018

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Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased (\$)								
Coal	-	-	-	-	\$4,652,103	-	\$13,577,575	\$963,735
Oil	-	-	-	12,787	185,453	-	198,501	222,707
Gas - CC	-	20,777,370	14,391,715	-	-	-	-	-
Gas - CT	23	-	643,284	-	-	57,794	-	-
Total	23	\$20,777,370	\$15,034,999	\$12,787	\$4,837,556	\$57,794	\$13,776,076	\$1,186,442
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	320.59	-	321.86	317.59
Oil	-	-	-	1,231.89	1,766.72	-	1,595.92	1,535.06
Gas - CC	-	493.19	545.27	-	-	-	-	-
Gas - CT	-	-	584.36	-	-	-	-	-
Weighted Average	-	493.19	546.84	1,231.89	330.98	0.00	325.60	373.14
Cost of Fuel Burned (\$)								
Coal	-	-	-	-	\$2,947,872	-	\$7,828,407	\$2,284,424
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	19,218	-	57,501	114,394	78,014	95,281
Gas - CC	-	20,777,370	14,391,715	-	-	-	-	-
Gas - CT	23	-	643,284	-	-	57,794	-	-
Nuclear	-	-	-	3,714,577	-	-	-	-
Total	\$23	\$20,777,370	\$15,054,217	\$3,714,577	\$3,005,373	\$172,188	\$7,906,421	2,379,705
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	303.70	-	322.43	328.17
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	1,649.96	1,649.99	1,511.02	1,486.44
Gas - CC	-	493.19	545.27	-	-	-	-	-
Gas - CT	-	-	584.36	-	-	-	-	-
Nuclear	-	-	-	69.31	-	-	-	-
Weighted Average	-	493.19	547.53	69.31	308.51	2,483.60	324.96	338.74
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	3.90	-	2.95	3.72
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	21.39	30.67	13.90	16.85
Gas - CC	-	3.53	3.83	-	-	-	-	-
Gas - CT	-	-	5.13	-	-	-	-	-
Nuclear	-	-	-	0.70	-	-	-	-
Weighted Average	-	3.53	3.88	0.70	3.96	64.98	2.97	3.84
Burned MBTU's								
Coal	-	-	-	-	970,666	-	2,427,915	696,106
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	3,485	6,933	5,163	6,410
Gas - CC	-	4,212,891	2,639,370	-	-	-	-	-
Gas - CT	-	-	110,083	-	-	-	-	-
Nuclear	-	-	-	5,358,991	-	-	-	-
Total	-	4,212,891	2,749,453	5,358,991	974,151	6,933	2,433,078	702,516
Net Generation (mWh)								
Coal	-	-	-	-	75,657	-	265,563	61,418
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	269	373	561	566
Gas - CC	-	589,302	375,533	-	-	-	-	-
Gas - CT	(82)	-	12,548	-	-	(108)	-	-
Nuclear	-	-	-	534,231	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	(82)	589,302	388,081	534,231	75,926	265	266,124	61,984
Cost of Reagents Consumed (\$)								
Ammonia	-	-	-	-	-	-	\$84,133	\$10,948
Limestone	-	-	-	-	113,031	-	233,817	60,180
Re-emission Chemical	-	-	-	-	-	-	86,677	-
Sorbents	-	-	-	-	8,119	-	75,288	20,291
Urea	-	-	-	-	64,334	-	-	-
Total	-	-	-	-	\$185,484	-	\$479,914	\$91,420

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Duke Energy Progress
Fuel and Fuel Related Cost Report
February 2018

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Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME February 2018
Cost of Fuel Purchased (\$)								
Coal	-	-	-	-	-	-	\$19,193,413	\$269,299,906
Oil	13,291	-	503,969	347,273	106,662	-	1,590,643	78,127,258
Gas - CC	-	-	-	-	22,501,579	-	57,670,664	699,814,214
Gas - CT	-	-	13,943	20,036	7,392,126	-	8,127,206	90,249,977
Total	\$13,291	-	\$517,912	\$367,309	\$30,000,367	-	\$86,581,926	\$1,137,491,355
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	321.33	319.00
Oil	1,231.79	-	2,869.66	2,294.65	2,371.41	-	2,072.40	1,691.36
Gas - CC	-	-	-	-	438.90	-	481.43	476.51
Gas - CT	-	-	443.90	456.19	440.21	-	452.30	421.56
Weighted Average	1,231.79	-	2,501.63	1,881.13	440.50	-	436.71	442.07
Cost of Fuel Burned (\$)								
Coal	-	-	-	-	-	-	\$13,060,703	\$318,932,693
Oil - CC	-	-	-	-	78	-	78	60,008
Oil - Steam/CT	-	-	-	193,586	-	-	557,994	76,714,526
Gas - CC	-	-	-	-	22,501,579	-	57,670,664	699,814,214
Gas - CT	-	-	13,943	20,036	7,392,126	-	8,127,206	90,249,977
Nuclear	7,646,248	-	-	-	-	4,420,473	15,781,298	201,088,562
Total	\$7,646,248	\$0	\$13,943	\$213,622	\$29,893,783	\$4,420,473	\$95,197,943	\$1,386,859,980
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	318.97	314.77
Oil - CC	-	-	-	-	1,560.00	-	1,560.00	1,841.62
Oil - Steam/CT	-	-	-	1,763.72	-	-	1,692.58	1,646.26
Gas - CC	-	-	-	-	438.90	-	481.43	476.51
Gas - CT	-	-	443.90	456.19	440.21	-	452.30	421.56
Nuclear	63.05	-	-	-	-	65.45	65.10	65.00
Weighted Average	63.05	-	443.90	1,390.04	439.22	65.45	225.89	237.63
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.24	3.38
Oil - CC	-	-	-	-	-	-	-	20.34
Oil - Steam/CT	-	-	-	36.67	-	-	24.83	20.34
Gas - CC	-	-	-	-	3.07	-	3.40	3.40
Gas - CT	-	-	-	10.17	4.96	-	5.04	4.69
Nuclear	0.68	-	-	-	-	0.69	0.69	0.69
Weighted Average	0.68	-	-	29.47	3.39	0.69	2.04	2.22
Burned MBTU's								
Coal	-	-	-	-	-	-	4,094,687	101,321,940
Oil - CC	-	-	-	-	5	-	5	3,258
Oil - Steam/CT	-	-	-	10,976	-	-	32,967	4,659,941
Gas - CC	-	-	-	-	5,126,861	-	11,979,122	146,861,788
Gas - CT	-	-	3,141	4,392	1,679,242	-	1,796,858	21,408,571
Nuclear	12,127,357	-	-	-	-	6,753,933	24,240,281	309,362,499
Total	12,127,357	-	3,141	15,368	6,806,108	6,753,933	42,143,920	583,617,998
Net Generation (mWh)								
Coal	-	-	-	-	-	-	402,639	9,435,509
Oil - CC	-	-	-	-	-	-	-	295
Oil - Steam/CT	-	(49)	-	528	-	-	2,247	377,173
Gas - CC	-	-	-	-	733,490	-	1,698,325	20,593,216
Gas - CT	-	-	(358)	197	149,180	-	161,377	1,924,296
Nuclear	1,120,259	-	-	-	-	643,338	2,297,828	29,332,839
Hydro (Total System)							84,154	547,173
Solar (Total System)							14,538	251,143
Total	1,120,259	(49)	(358)	725	882,670	643,338	4,661,108	62,461,644
Cost of Reagents Consumed (\$)								
Ammonia	-	-	-	-	\$28,417	-	\$123,498	\$1,975,786
Limestone	-	-	-	-	-	-	407,029	9,516,656
Re-emission Chemical	-	-	-	-	-	-	86,677	225,085
Sorbents	-	-	-	-	-	-	103,697	2,660,762
Urea	-	-	-	-	-	-	64,334	1,015,710
Total	-	-	-	-	\$28,417	-	\$785,235	\$15,393,999

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
February 2018

Schedule 6
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<u>Description</u>	<u>Weatherspoon</u>	<u>Lee</u>	<u>Sutton</u>	<u>Robinson</u>	<u>Asheville</u>
Coal Data:					
Beginning balance	-	-	-	-	81,286
Tons received during period	-	-	-	-	56,901
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	38,493
Ending balance	-	-	-	-	99,694
MBTUs per ton burned	-	-	-	-	25.22
Cost of ending inventory (\$/ton)	-	-	-	-	76.58
Oil Data:					
Beginning balance	689,652	-	2,645,302	78,040	2,974,913
Gallons received during period	-	-	-	7,522	76,068
Miscellaneous use and adjustments	(23)	-	-	-	(3,981)
Gallons burned during period	-	-	6,897	7,522	75,776
Ending balance	689,629	-	2,638,405	78,040	2,971,224
Cost of ending inventory (\$/gal)	2.21	-	2.80	2.49	2.27
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,086,102	2,676,777	-	-
MCF burned during period	-	4,086,102	2,676,777	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	14,963
Tons received during period	-	-	-	-	5,559
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,171
Ending balance	-	-	-	-	18,351
Cost of ending inventory (\$/ton)	-	-	-	-	48.85

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Gas is burned as received; therefore, inventory balances are not maintained.

The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
February 2018

Schedule 6
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Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	911,702	321,568	-	-	-
Tons received during period	166,765	11,702	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	96,718	28,096	-	-	-
Ending balance	981,749	305,174	-	-	-
MBTUs per ton burned	25.10	24.78	-	-	-
Cost of ending inventory (\$/ton)	80.91	81.31	-	-	-
Oil Data:					
Beginning balance	336,760	237,137	169,303	715,134	11,533,995
Gallons received during period	90,128	105,130	7,818	-	127,264
Miscellaneous use and adjustments	(7,540)	(869)	-	-	-
Gallons burned during period	37,515	46,502	2,817	-	-
Ending balance	381,833	294,896	174,304	715,134	11,661,259
Cost of ending inventory (\$/gal)	2.08	2.05	2.49	2.34	2.42
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	3,060
MCF burned during period	-	-	-	-	3,060
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	88,506	18,478	-	-	-
Tons received during period	5,961	8,662	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	6,586	1,519	-	-	-
Ending balance	87,881	25,621	-	-	-
Cost of ending inventory (\$/ton)	33.31	37.01	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
February 2018

Schedule 6
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Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME February 2018
Coal Data:					
Beginning balance	-	-	-	1,314,556	2,007,908
Tons received during period	-	-	-	235,368	3,329,190
Inventory adjustments	-	-	-	-	24,990
Tons burned during period	-	-	-	163,307	3,975,471
Ending balance	-	-	-	1,386,617	1,386,617
MBTUs per ton burned	-	-	-	25.07	25.49
Cost of ending inventory (\$/ton)	-	-	-	80.68	80.68
Oil Data:					
Beginning balance	10,264,263	8,240,185	269,854	38,154,538	39,101,461
Gallons received during period	109,665	32,593	-	556,188	33,472,540
Miscellaneous use and adjustments	-	-	-	(12,413)	(183,816)
Gallons burned during period	79,591	34	2,491	259,145	33,951,017
Ending balance	10,294,337	8,272,744	267,363	38,439,168	38,439,168
Cost of ending inventory (\$/gal)	2.43	2.33	2.49	2.41	2.41
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	4,279	6,626,825	-	13,397,043	162,578,775
MCF burned during period	4,279	6,626,825	-	13,397,043	162,578,775
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	121,947	139,974
Tons received during period	-	-	-	20,182	218,403
Inventory adjustments	-	-	-	-	14,691
Tons consumed during period	-	-	-	10,276	241,215
Ending balance	-	-	-	131,853	131,853
Cost of ending inventory (\$/ton)	-	-	-	36.19	36.19

Schedule 7

DUKE ENERGY PROGRESS
ANALYSIS OF COAL PURCHASED
FEBRUARY 2018

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	-	-
	CONTRACT	56,901	\$ 4,581,399	\$ 80.51
	ADJUSTMENTS	-	70,704	-
	TOTAL	56,901	4,652,103	81.76
MAYO	SPOT	-	-	-
	CONTRACT	11,702	899,527	76.87
	ADJUSTMENTS	-	64,207	-
	TOTAL	11,702	963,735	82.36
ROXBORO	SPOT	-	-	-
	CONTRACT	166,765	13,241,464	79.40
	ADJUSTMENTS	-	336,111	-
	TOTAL	166,765	13,577,575	81.42
ALL PLANTS	SPOT	-	-	-
	CONTRACT	235,368	18,722,390	79.55
	ADJUSTMENTS	-	471,023	-
	TOTAL	235,368	\$ 19,193,413	\$ 81.55

Schedule 8

**DUKE ENERGY PROGRESS
ANALYSIS OF COAL QUALITY RECEIVED
FEBRUARY 2018**

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.51	8.84	12,751	2.14
MAYO	6.22	7.55	12,966	2.35
ROXBORO	7.14	8.67	12,648	2.22

Schedule 9

**DUKE ENERGY PROGRESS
ANALYSIS OF OIL PURCHASED
FEBRUARY 2018**

	ASHEVILLE	BRUNSWICK	DARLINGTON	DARLINGTON	MAYO
VENDOR	Indigo	Hightowers Petroleum Co.	Hightowers Petroleum Co., Huguenot Fuels and Indigo	Colonial Fuel and Petroleum Traders	Greensboro Tank Farm
SPOT/CONTRACT	Spot	Contract	Spot	Contract	Contract
SULFUR CONTENT %	0	0	0	0	0
GALLONS RECEIVED	76,068	7,818	7,399	102,266	105,130
TOTAL DELIVERED COST	\$ 185,453	\$ 13,291	\$ 114,723	\$ 232,550	\$ 222,707
DELIVERED COST/GALLON	\$ 2.44	\$ 1.70	\$ 15.51	\$ 2.27	\$ 2.12
BTU/GALLON	138,000	138,000	138,000	138,000	138,000
	ROBINSON	ROXBORO	SMITH ENERGY COMPLEX	WAYNE	
VENDOR	Hightowers Petroleum Co.	Greensboro Tank Farm	Hightowers Petroleum Co., Petroleum Traders and Potter Oil and Tire	Indigo	
SPOT/CONTRACT	Contract	Contract	Spot	Spot	
SULFUR CONTENT %	0	0	0	0	
GALLONS RECEIVED	7,522	90,128	32,593	127,264	
TOTAL DELIVERED COST	\$ 12,787	\$ 198,501	\$ 106,662	\$ 503,969	
DELIVERED COST/GALLON	\$ 1.70	\$ 2.20	\$ 3.27	\$ 3.96	
BTU/GALLON	138,000	138,000	138,000	138,000	

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2017 - February, 2018
Nuclear Units

<u>Unit Name</u>	<u>Net Generation (mWh)</u>	<u>Capacity Rating (mW)</u>	<u>Capacity Factor (%)</u>	<u>Equivalent Availability (%)</u>
Brunswick 1	8,065,890	938	98.16	98.05
Brunswick 2	7,175,093	932	87.88	89.23
Harris 1	8,080,265	929	99.33	96.69
Robinson 2	6,011,591	741	92.61	89.17

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2017 through February, 2018
Combined Cycle Units**

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,499,999	223	76.67	83.05
Lee Energy Complex	1B	1,470,240	223	75.33	83.35
Lee Energy Complex	1C	1,501,486	224	76.58	82.62
Lee Energy Complex	ST1	2,890,978	379	87.08	94.14
Lee Energy Complex	Block Total	7,362,703	1,049	80.13	87.06
Richmond County CC	7	1,241,726	189	75.00	82.09
Richmond County CC	8	1,219,910	189	73.68	80.98
Richmond County CC	ST4	1,401,126	175	91.40	89.76
Richmond County CC	9	1,424,793	214	75.89	80.69
Richmond County CC	10	1,449,222	214	77.19	82.16
Richmond County CC	ST5	1,923,095	248	88.52	91.77
Richmond County CC	Block Total	8,659,872	1,230	80.39	84.74
Sutton Energy Complex	1A	1,399,479	225	71.05	79.67
Sutton Energy Complex	1B	1,452,503	225	73.75	81.76
Sutton Energy Complex	ST1	1,718,954	268	73.32	91.58
Sutton Energy Complex	Block Total	4,570,936	717	72.74	84.76

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2017 through February, 2018**

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,559,907	746	23.87	86.09
Roxboro 2	1,867,572	673	31.68	90.11
Roxboro 3	2,325,070	698	38.03	86.47
Roxboro 4	1,469,008	711	23.59	56.99

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2017 through February, 2018
Other Cycling Steam Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	606,328	192	36.05	73.51
Asheville 2	643,944	192	38.29	84.70
Roxboro 1	1,029,195	380	30.92	86.42

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2017 through February, 2018
Combustion Turbine Stations**

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	139,162	370	91.84
Blewett CT	157	68	93.45
Darlington CT	141,091	900	78.41
Richmond County CT	1,644,186	919	88.13
Sutton CT	-154	76	100.00
Sutton Fast Start CT	113,582	92	89.70
Wayne County CT	196,939	960	96.51
Weatherspoon CT	991	164	81.27

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2017 through February, 2018
Hydroelectric Stations**

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Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	87,116	27.0	84.18
Marshall	5,234	4.0	31.97
Tillery	125,798	84.0	98.86
Walters	329,025	113.0	99.22

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.